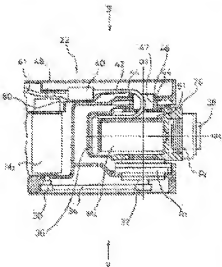


WRIST STRUCTURE OF VERTICAL ARTICULATED ROBOT**Publication number:** JP10175189 (A)**Publication date:** 1998-06-30**Inventor(s):** NIHEI AKIRA; HAMURA MASAYUKI; MIYAWAKI MASANAO**Applicant(s):** FANUC LTD**Classification:****- international:** B25J9/06; B25J17/02; B25J19/00; H01R35/04; H02G11/00; B25J9/06; B25J17/02; B25J19/00; H01R35/00; H02G11/00; (IPC1-7): B25J19/00; B25J9/06; B25J17/02; H02G11/00**- European:****Application number:** JP19970361267 19971226**Priority number(s):** JP19970361267 19971226**Abstract of JP 10175189 (A)**

PROBLEM TO BE SOLVED: To prevent a cable from being stained by cutting oil by arranging a cable or the like and piping in a storing chamber, and wiring and piping extending from the storing chamber through a cable passing opening formed in the central area of the articulate part of the robot wrist into the inside of the wrist. **SOLUTION:** A cable 42 or the like is wired or piped like grapes in a storing chamber 48 of a robot arm 22, and then inserted in a passing opening 47 for wiring and piping formed along the central axis 43 of a rotating shaft 46 of a wrist 26 in the central part of the rotating shaft 46 in such a manner as to prevent twisting and elongation caused by rotation to be wired and piped to be connected to a connector 38 arranged in the rear end inside of the wrist 26. The cable 42 or the like is further led out to the outside of the wrist 26 through a cable take-out opening and an air tube take-out opening provided in suitable positions of the outside of the wrist 26.



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